

Scientific Program

14th International Conference and Exhibition on

Pharmaceutical Formulations

August 28-29, 2017 Brussels, Belgium



Opening Ceremony

Keynote Forum

Introduction

Title: Sweat sample processing, method development, and bioinformatic analysis for biomarkers of physical fatigue

Jennifer A Martin, Air Force Research Laboratories, USA

Title: Analytical strategies for sensitive quantitation of drugs and biomarkers from low blood sample volumes

Marianne Fillet, University of Liege, Belgium

Title: Thermogravimetric study on preparation of NiTiO₃ in different reactions times

R V Rodrigues, University of Sao Paulo, Brazil

Networking and Refreshments Break

Title: Follow-on innovation relating to block-buster drugs – innovators, timing, and private value

Andrew F Christie, University of Melbourne, Australia

Sessions: Analytical Techniques for Clinical Chemistry | Chemical Analysis

Session Chair: Rasha Hanafi, German University in Cairo, Egypt

Session Co-chair: Graham Dawson, Xian Jiaotong Liverpool University, China

Session Introduction

Title: Determination of capecitabine and its metabolites in plasma of Egyptian colorectal cancer patients

Rasha Hanafi, German University in Cairo, Egypt

Title: A potential universal cancer biomarker revealed by bioimaging of fluorescent probes for point-of-care screening of cancer

Ta-Chau Chang, Academia Sinica, Taiwan

Title: Surface functionalization and analysis of nanomaterials towards modification of their properties

Graham Dawson, Xian Jiaotong Liverpool University, China

Title: TiO₂ based nanoparticles as solid support for chemiluminescence detection: A range of analytical applications

Entesar H, Kuwait University, Kuwait

Group Photo

Lunch Break

Sessions: Pharmaceutical Formulations | Liquid Dosage Forms | Pharmaceutical Analysis

Session Chair: Roger M Leblanc, University of Miami, USA

Title: Development and bioapplications of nontoxic carbon dots

Roger M Leblanc, University of Miami, USA

Title: Cyclodextrin-based formulations: The present and the future

Tamas Sohajda, Cyclolab Ltd., Hungary

Title: Optimizing early phase development of amorphous solid dispersion formulation thorough application of modeling tools

Samuel Kyeremateng, AbbVie Deutschland GmbH & Co. KG, Germany

Title: Properties of bacterial cellulose wound dressing containing sericin and polyhexamethylene biguanide

Supamas Napavichayanun, Chulalongkorn University, Thailand

Sessions: Mass spectrometry | Electrochemical analysis | Spectroscopy

Session Chair: Yoshitaka Fujimoto, National university in Tokyo, Japan

Session Co-chair: Daria V Navolotskaya, Saint-Petersburg State University, Russia

Title: Rapid determination of U-236 in the soil contaminated by the Fukushima Daiichi nuclear power plant accident using single extraction chromatography combined with triple-quadrupole inductively coupled plasma-mass spectrometry

G S Yang, Hirosoaki University, Japan

Title: Resonant X-ray emission spectroscopy for analysis of platinum anti-cancer complexes and their interaction with biomolecules

Joanna Czapla-Masztafiak, Institute of Nuclear Physics Polish Academy of Sciences, Poland

Title: First-principles theoretical investigation of graphene for sensor applications

Yoshitaka Fujimoto, Tokyo Institute of Technology, Japan

Networking and Refreshments Break

Title: Applications of near infrared and Raman spectroscopy for the analysis of counterfeit medicine

K Dégardin, Roche, Switzerland

Title: Interrupted amperometry: A new ultrasensitive electroanalytical method

Daria V Navolotskaya, Saint-Petersburg State University, Russia

Title: Electrochemical sensing of analytes using conducting polymers

M V Sangaranarayanan, Indian Institute of Technology, India

Title: Fluorescence quenching and diffusion within Li salt added ionic liquid media

Anu kadyan, Indian Institute of Technology Delhi, India

Panel Discussion

Day 2 August 29, 2017

Ambassador

Keynote Forum

Title: The gas chromatographic analysis of the reaction products of the partial isobutene oxidation as a two phase process

Thomas Willms, Helmholtz-Zentrum Dresden-Rossendorf, Germany

Title: New trends in high-resolution mass spectrometry use for drug metabolism & pharmacokinetics

Filip Cuyckens, Janssen R&D, Belgium

Networking and Refreshments Break

Title: Physical stability and drug crystallization kinetics in amorphous solid dispersions

Gabriele Sadowski, TU Dortmund University, Germany

Sessions: Spectroscopy | Separation Technique

Session Chair: Nobuyuki Ichinose, Kyoto Institute of Technology, Japan

Session Co-chair: David G Churchill, Korea Advanced Institute of Science and Technology, South Korea

Session Introduction

Title: Effect of laser-induced shockwave on molecules and particles in solution

Nobuyuki Ichinose, Kyoto Institute of Technology, Japan

Title: Synthetic steps towards reversible chalcogen-based sensing of essential neurodegenerative disease factors

David G Churchill, Korea Advanced Institute of Science and Technology, South Korea

Title: Forensic applications of chiral and stable isotope analysis

Sherlock Tai, University of Glasgow, UK

Title: Mass spectrometry: A complementary tool to ELISA for allergen detection

M Planque, University of Namur, Belgium

Lunch Break

Sessions: Pharmaceutical Formulations | Solid Dosage Forms | Novel Drug Delivery Systems | Drug Formulation Procedures | Pharmaceutical Excipients | Regulatory Affairs

Session Chair: Nagatoshi Nishiwaki, Osaka University, Japan

Session Introduction

Title: Synthesis of versatile aza-heterocyclic compounds by three component ring transformation

Nagatoshi Nishiwaki, Osaka Kyoiku University, Japan

Title: Long-term stability of pharmaceutical formulations - prediction of recrystallization and amorphous-amorphous phase separation

Christian Luebbert, TU Dortmund University, Germany

Title: Investigating the dissolution performance of dipyridamole and cinnarizine spray dried amorphous solid dispersion using proton NMR

Shrawan Baghel, Waterford Institute of Technology, Ireland

Title: Formulation and *in-vitro* evaluation of montelukast oral disintegrating (5 mg) tablets: Effects of diluents

Shahnaz Usman, College of Pharmaceutical Sciences Rakmhssu, UAE

Networking & Refreshment Break

Poster Presentations

- ACP&PF001** **Title: A label-free genetic biosensor for diabetes based on AuNPs decorated ITO with electrochemiluminescent signaling**
Tu Yifeng, Soochow University, P R China
- ACP&PF002** **Title: MALDI biotyper system for oral microbial identification and diagnosis**
Hong-Lin Chan, National Tsing Hua University, Taiwan
- ACP&PF003** **Title: Determination of finasteride and relative metabolites by capillary electrophoresis**
Chun-Hsien Chen, Kaohsiung Medical University, Taiwan
- ACP&PF004** **Title: Analysis of isotretinoin and its metabolites by capillary electrophoresis with on-line preconcentration technique**
Ying-Xuan Huang, Kaohsiung Medical University, Taiwan
- ACP&PF005** **Title: Simultaneous determination of phenylenediamines derivatized with 5-(4,6-dichlorotriazinyl) aminofluorescein by capillary electrophoresis**
Yen-Ling Chen, Kaohsiung Medical University, Taiwan
- ACP&PF006** **Title: Surfactant self-aggregation within deep eutectic solvents**
Mahipal, Indian Institute of Technology, India
- ACP&PF007** **Title: Photoluminescence properties and thermal investigation by TG-MS of RE(DAS) \cdot xH_2O , [RE = Eu $^{3+}$, Tb $^{3+}$]**
Rodrigo V Rodrigues, University of Sao Paulo, Brazil
- ACP&PF008** **Title: Identification and quantification of illegal peptide drugs via HILIC-DAD-MS**
Steven Janvier, University of Ghent, Belgium
- ACP&PF009** **Title: The role of the organoselenium in small molecular probe for detection of biologically important analytes**
Youngsam Kim, Korea Advanced Institute of Science and Technology, Republic of Korea
- ACP&PF010** **Title: Determination of 27 phenolic compounds in human urine by LC-MS/MS with online SPE system**
YoonJae Cho, National Institute of Food and Drug Safety Evaluation, South Korea
- ACP&PF011** **Title: Proteomic survey of metabolic pathways in xylose-fermenting yeasts *scheffersomyces stipitis***
Hsiu-Chuan Chou, National Tsing Hua University, Taiwan
- ACP&PF012** **Title: Lamivudine-poly-E-caprolactone conjugate based particles for targeted drug delivery, synthesis and characterization**
Tomasz Urbaniak, Wroclaw Medical University, Poland
- ACP&PF013** **Title: Tolerogenicity, anti-melanogenicity and anti-tyrosinase effects of sericin on melanocyte and dendritic cells: A possibility to alleviate post inflammatory hyperpigmentation**
Supamas Napavichayanun, Chulalongkorn University, Thailand

ACP&PF014 **Title: Development and characterization of seed gums from *Cassia fistula* as disintegrating agent for fast disintegrating Thai cordial tablet**
Kampanart Huanbutta, Burapha University, Thailand

Panel Discussion & Award ceremony